1

IMPORTANT SAFETY INSTRUCTIONS

This symbol is to alert you to important operating or servicing instructions that may appear in the user's manual. Always follow basic safety precautions when using this product to reduce the risk of injury, fire, or electrical shock.

When using this product, basic safety precautions should always be followed to reduce the risk of fire, electric shock and injury to persons, including the following:

1. Read and understand all instructions.
2. Follow all warnings and instructions marked on the product.
3. Use only with class 2 power source DC 9V 300mA.
4. Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
5. Do not use this product near water, for example, near a bathtub, wash bowl, kitchen sink or laundry tub, in a wet basement or near a swimming pool.
6. Do not place this product on an unstable cart, stand, or table. The product may fall, causing serious damage to the product.
7. Slots and openings in the cabinet back or bottom are provided for ventilation. To protect it from overheating, these openings must not be blocked or covered. The openings should never be placed near or over a radiator or heat register. This product should not be placed in an enclosed environment unless proper ventilation is provided.
8. Do not allow anything to rest on the power cord. Do not locate this product where the cord will be abused by animals or persons walking on it.
9. Do not overload wall outlets and extension cords as this can result in risk of fire or electrical shock.
10. Never push objects of any kind into this product through cabinet slots as they may touch dangerous voltage points or short out parts that could result in a risk of fire or electrical shock. Never spill liquid of any kind on the product.
11. To reduce the risk of electrical shock, do not disassemble this product. Instead take it to a qualified service person when service or repair work is required. Opening or removing covers may expose you to dangerous voltages or other risks. Incorrect reassembly can cause electrical shock when the appliance is subsequently used.
12. Unplug all cords and refer servicing to qualified service personnel under the following conditions:
    A. When the power supply cord or plug is damaged or frayed.
    B. If liquid has been spilled into the product.
    C. If the product has been exposed to rain or water.
    D. If the product does not operate normally by following the operating instructions. Adjust only those controls covered in the operating instructions. Improper adjustment of other controls may result in damage and require work by a qualified technician to restore the product to normal operation.
13. Avoid using a telephone (other than a cordless type) during an electrical storm. There may be a remote risk of electric shock from lightning.
14. Do not use a telephone to report a gas leak in the vicinity of the leak.

IF YOUR PRODUCT UTILIZES BATTERIES, THE FOLLOWING ADDITIONAL PRECAUTIONS SHOULD BE OBSERVED:
1. Use only the type and size of batteries specified in the users manual.
2. Do not dispose of batteries in a fire; the cells may explode. Check with local codes for possible special disposal locations.
3. Do not open or mutilate the batteries. Released electrolyte is corrosive and may cause damage to the eyes or skin. It may be toxic if swallowed.
4. Exercise care in handling batteries in order not to short the battery with conducting materials such as rings, bracelets and keys. The battery or conductor may overheat and cause burns.
5. Do not attempt to recharge the batteries with or identified for use with this product. The batteries may leak corrosive electrolyte or explode.
6. Do not attempt to rejuvenate the batteries provided with or identified for use with this product by heating them. Sudden release of the battery electrolyte may occur causing burns or irritation to eyes or skin.
7. When replacing batteries, all batteries should be replaced at the same time. Mixing fresh and discharged batteries could increase internal cell pressure and rupture the discharged batteries.
8. When inserting batteries into this product, the proper polarity or direction must be observed. Reverse insertion of batteries can cause charging, which may result in leakage or explosion.
9. Remove the batteries from this product if the product will not be used for a long period of time (several months or more) since during this time the batteries could leak, damaging the product.
10. Discard "dead" batteries as soon as possible since they are more likely to leak in a product.
11. Do not store this product, or the batteries provided with or identified for use with this product, in high temperature areas.
12. If your product uses a rechargeable battery, charge the battery(ies) only in accordance with the instructions and limitation specified in the User Manual.

SAVE THESE INSTRUCTIONS

Warning: Modifying or tampering with the telephone's internal components can cause a malfunction and might invalidate the telephone's warranty and void your FCC authorization to operate it. If the trouble is harming the telephone lines, the telephone company might ask you to disconnect the telephone until you have resolved the problem.

As it complies with Part 68 of the FCC rules and the technical requirements for connection to telephone networks published by ACTA, your unit has been registered with the FCC. The FCC requires us to provide you with the following information:

1. Connection and use with the nationwide telephone network:
   The FCC requires that you connect to a nationwide telephone network through a modular telephone outlet which is TIA/EIA-IS-968 compliant. It is USOC jack type RJ11C.
   This equipment may not be used on coin service provided by the telephone company.
   Connection to party lines is subject to state tariffs. Check with your local telephone company.
2. Notification to the telephone company:
   FCC rules require that upon request you provide the following information to the phone company.
   A. The line (telephone number) to which you will connect the telephone equipment, and
   B. The Registration Number and Ringer Equivalence Number (REN). These numbers are found on the back or bottom of your telephone equipment.
   The REN is useful to determine the quantity of devices you may connect to your telephone line and still have all of those devices ring when your telephone number is called. In most, but not all areas, the sum all RENs should be 5 or less. To determine the number of devices permitted in your area, contact your local telephone company.
3. Repair instructions:
   If it is determined that your telephone equipment is malfunctioning, the FCC requires that it not be used and be unplugged from the modular outlet until the problem has been corrected. Repairs to this telephone equipment can be made only by the manufacturer or its authorized agents, or by others who may be authorized by the FCC. Unauthorized repairs void registration and warranty.
4. Rights of the telephone company:
   If your product is causing harm to the telephone network, the telephone company may temporarily discontinue your service. If possible, they will notify you in advance. But if advance notice isn't practical, you will be notified as soon as possible. You will be given the opportunity to correct the problem, and you will be informed of your right to file a complaint with the FCC. Your telephone company may make changes in its facilities, equipment, operations or procedures that could affect the proper functioning of your telephone equipment. If such changes are planned, you will be notified in advance.
5. This product is compatible with inductively coupled hearing aids.
Note: This applies only if this product is equipped with a corded or cordless handset.
6. Programming/testing emergency numbers:
   When programming emergency numbers and/or making test calls to emergency numbers
   A. Remain on the line and briefly explain to the dispatcher the reason for the call before hanging up.
   B. Perform such activities in the off-peak hours, such as early morning or late evening.

3

FCC AND IC REGULATIONS

This equipment complies with FCC AND IC REGULATIONS 15 and 68 of the Federal Communications Commission (FCC) rules for the United States. It also complies with regulations RSS-210 and CS-03 of Industry Canada (IC).

A label is located on the underside of the base unit containing either the FCC registration number and Ringer Equivalence Number (REN) or the IC registration number and Load Number. You must, upon request, provide this information to your local telephone company.

This equipment is compatible with inductively coupled hearing aids.

FCC Part 15

Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

The equipment has been tested and found to comply with part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try and correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet or on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Part 68

The FCC requires that you connect your cordless telephone to the nationwide telephone network through a modular telephone jack (USOC RJ11C or RJ11W).

Your telephone company may discontinue your service if your equipment causes harm to the telephone network. They will notify you in advance of disconnection, if possible. During notification, you will be informed of your right to file a complaint with the FCC.

If it is determined that your telephone equipment is malfunctioning, the FCC requires that it not be used and that it be unplugged from the modular jack until the problem has been corrected. Repairs to this telephone equipment can only be made by the manufacturer or its authorized agents or by others who may be authorized by the FCC. For repair procedures, follow the instructions outlined under the VTECH Limited Warranty.

The REN is useful in determining the number of devices you may connect to your telephone line and still enable the devices to ring when you receive a call. The general rule is that the REN value should not exceed 5.0 total; however, contact your local telephone company for the specific number in your area.

IC (Industry Canada)

This telephone is registered for use in Canada.

Notice: The Industry Canada label identifies certified equipment. This certification means that the equipment meets certain telecommunications network, protective, operational and safety requirements. Industry Canada does not guarantee the equipment will operate to the user's satisfaction.

Before installing this equipment, users should ensure that it is permissible to be connected to the facilities of the local telecommunications company. The equipment must also be installed using an acceptable method of connections. The customer should be aware that compliance with the above conditions may not prevent degradation of service in situations. Repairs to certified equipment should be made by an authorized Canadian maintenance facility designated by the supplier. Any repairs or alterations made by the user to this equipment, or equipment malfunctions, may give the telecommunications company cause to request the user to disconnect the equipment.

Users should ensure for their own protection that the electrical ground connections of the power utility, telephone lines and internal metallic water pipe system, if present, are connected together. This precaution may be particularly important in rural areas.

Caution: Users should not attempt to make such connections themselves, but should contact appropriate electric inspection authority, or electrician, as appropriate.

Notice: The REN assigned to this device denotes the number of devices you may connect to the telephone loop which is used by the device to prevent overloading. The termination on a loop may consist of any combination of devices subjected only to the requirement that the sum of the REN does not exceed five(5.0).

This device complies with RSS-210 of Industry Canada. Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

BATTERIES: CAUTION

To reduce the risk of fire or injury to persons, read and follow these instructions:

For the cordless handset, use only a 3.6V600mAh GP60AAA3BX Nickel Metal Hydride (Ni-MH) cordless telephone battery pack (included).

Do not dispose of the batteries in a fire. The cells may explode. Check with local codes for possible special disposal instructions.

Do not open or mutilate the batteries. Released electrolyte is corrosive and may cause damage to the eyes or skin. It may be toxic if swallowed.

Exercise care in handling batteries in order not to short the battery with conducting materials such as rings, bracelets, and keys. The battery or conductor may overheat and cause burns.

Do not attempt to rejuvenate the batteries identified for use with this product by heating them. Sudden release of the battery electrolyte may occur causing burns or irritation to eyes or skin.

When inserting batteries into this product, the proper polarity or direction must be observed. Reverse insertion of batteries can cause charging, and that may result in leakage or explosion.

Remove the batteries from this product if the product will not be used for a long period of time (several months or more) since during this time the battery could leak in the product.

Do not store this product, or the batteries identified for use with this product, in high temperature areas. Batteries that are stored in a freezer or refrigerator for the purpose of extending shelf life should be protected from condensation during storage and defrosting.
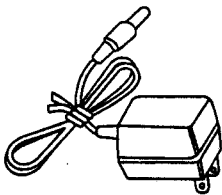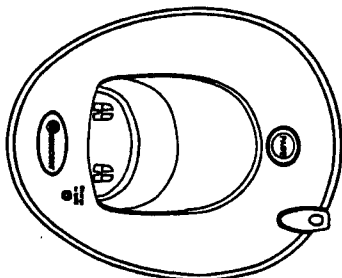
Batteries should be stabilized at room temperature prior to use after cold storage.
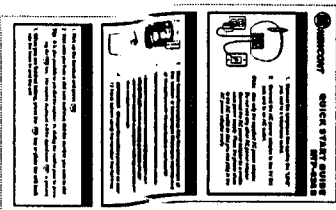
5

1. Handset
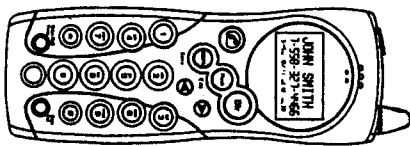
2. Base

3. AC power adapter
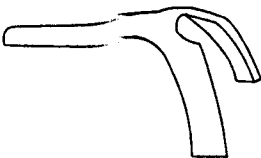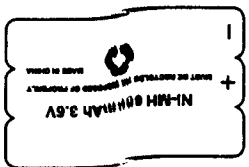
4. 7-foot line cord for desk use

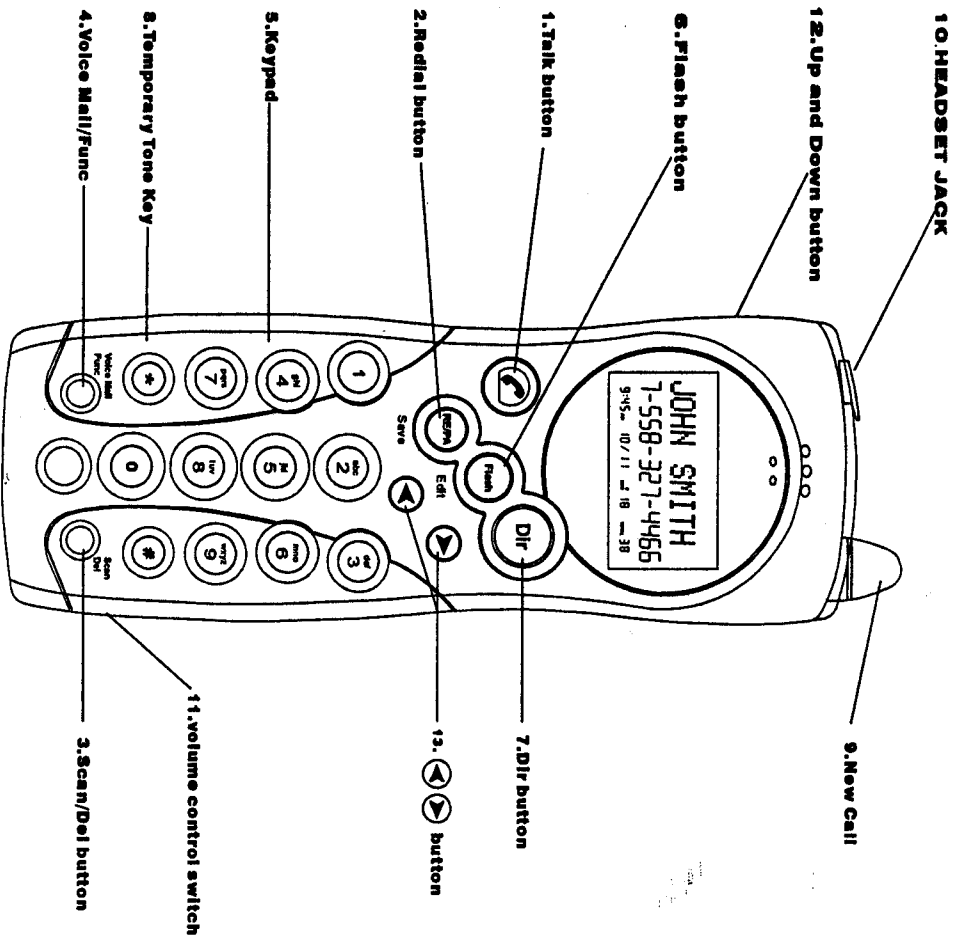5. Short line cord for wall installation

6. Quick start card

7. Belt- Clip

8. Ni-MH battery pack

6

10. HEADSET JACK

12. Up and Down button

1. Talk button

6. Flash button

2. Redial button

5. Keypad

8. Temporary Tone Key

4. Voice Mail/Func

9. New Call

7. Dir button

11. volume control switch

3. Scan/Del button

13. ▲ ▼ button

JOHN SMITH
1-558-327-4466
9:45 10/11 18 30

7

1. **Talk**
The (☎) key is used to access the telephone line or end a call.

2. **Redial Key** (Redial)
When the phone is idle or off-hook, press (Redial) to redial the last number dialed. (Redial) is also used to insert a measured pause into a number stored in the phone book.

3. **Scan/Del key** (Del) —
The (Del) key. When viewing or editing menus and logs, the [DEL] key is used to erase digits on the display, and single or multiple entries from the phone book and Caller ID directories. The [DEL]/SCAN key, when pressed while the phone is off-hook, will scan up to 40 channels and select the clearest one to provide the best possible reception.

4. **Voice Mail/func key**
The (func) — key is used to access the handset settings. The [FUNC]/VOICE MAIL key can be programmed to do two-touch dialing of a single number, such as your voice mail service number. Press and hold (func) — at Standby Mode, enter the main menu. The (func) — key can also be used to change the 7/10/11 digit dialing mode during caller ID callback.

5. **Dial Pad**
Numeric keys are used in the conventional manner for dialing.

6. **Flash Key** (Flash)
The (Flash) key is used to access telephone company services, such as call waiting. .

7. **Directory Key** (Dir)
Use (Dir) to program and retrieve the numbers in the speed dial Phone Book.

8. **Temporary Tone Key** (*)
If the base is set to pulse dialing, pressing (*) causes subsequent digits to be dialed out using tone until the line is put back on hook. Also used to view the left part of the display and move the cursor left when editing.

9. **New Call LED**
When you receive a Caller ID message, voice mail message, or when the phone is ringing, the New Call light will flash accordingly.

10. **Headset Jack**
Allows using a standard 2.5mm headset (not included) for hands-free convenience.

11. **Volume Control Switch**
The Volume Control switch is used to adjust the handset volume level between Hi, Mid and Low.

12. **▲ ▼ button**
The ▲ ▼ button lets you scroll through menus and logs.

13. (▲) (▼) **button**
If the name or number is more than 11 characters, press the (▲) or (▼) button to view the rest of the display.

8

Base

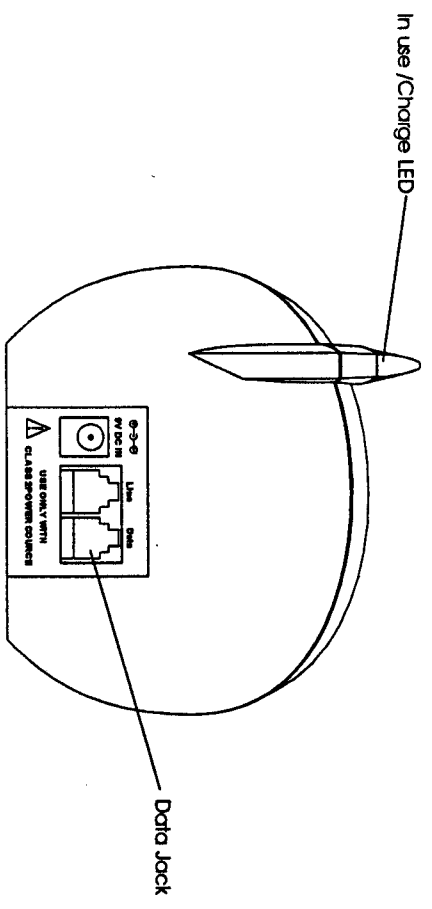**Use to page a handset(s).**

In Use LED Charge LED
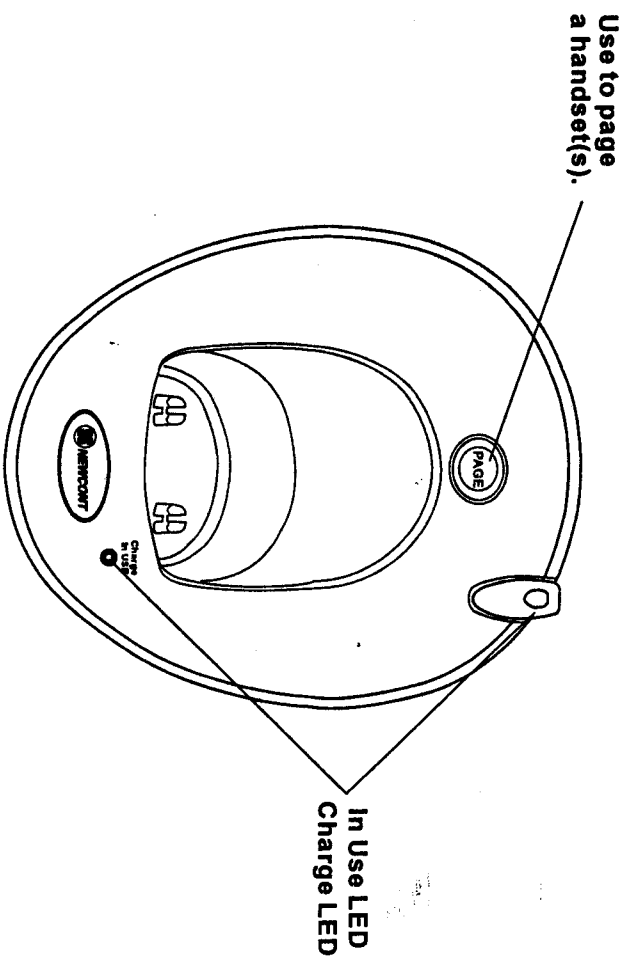
Page - Used to initiate a handset page.

In Use / Charge LED - Lights when the handset is on the cradle being charged. Lights when the handset is in use. Flashes when the phone is ringing.

Charging Contacts - Used to recharge battery and reset the security code in the handset.
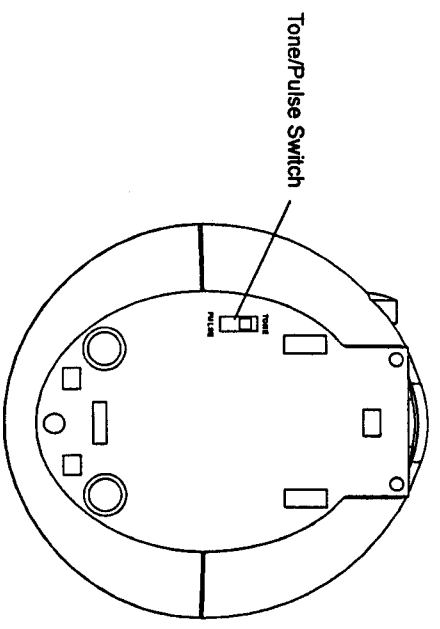

Base Back View

In use /Charge LED

Data Jack

Data jack
Used for connecting a computer or fax machine.

Base Bottom View

Tone/Pulse Switch

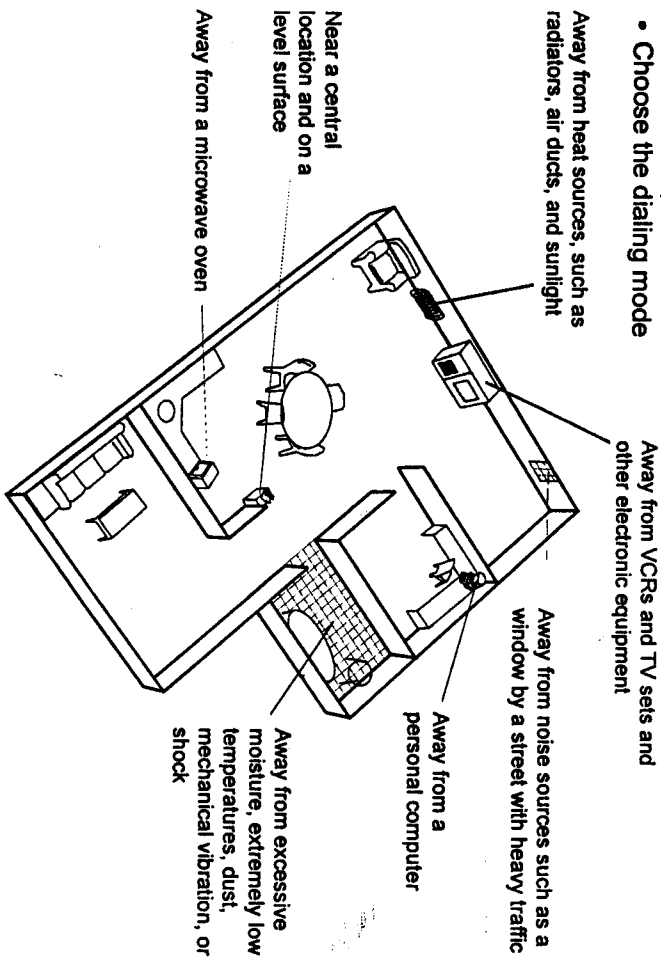**Tone/Pulse Switch**
Used to set the dialing method for tone or pulse dialing.

Do the following:

- Choose the best location
- Connect the phone
- Choose the dialing mode

Away from VCRs and TV sets and
other electronic equipment

Away from noise sources such as a
window by a street with heavy traffic

Away from a
personal computer

Away from excessive
moisture, extremely low
temperatures, dust,
mechanical vibration, or
shock

Away from heat sources, such as
radiators, air ducts, and sunlight

Near a central
location and on a
level surface

Away from a microwave oven

Where you place the phone affects the reception quality of the handset:

Away from another cordless telephone

Place the base near an AC electrical outlet and near telephone line jack.

Place the base away from metal walls and metal file cabinets

CAUTION: The cordless telephone operates at a frequency that may cause
Interference to nearby TVs and VCRs; the base phone should not be
placed near, or on top of a TV or VCR. If interference is experienced,
moving the cordless telephone farther away from the TV or VCR will
Often reduce or eliminate the interference.

Note: *While the 2.4GHz frequency is inherently clearer, we suggest that
you do not use this phone within 20 feet of a working microwave.
The microwave produces frequencies in this range which may
cause interference. This interference is normal for all 2.4GHz
phones and should not be considered a product defect.*

11

Connecting the Base
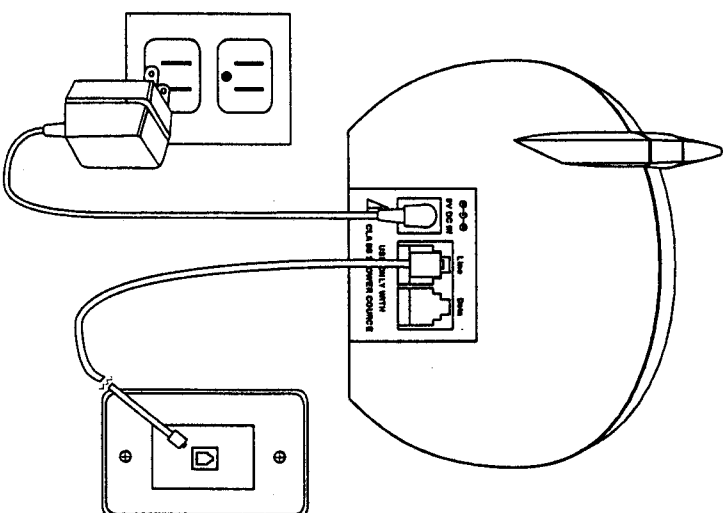
1. Connect the telephone line cord to the **"LINE"** Jack and to a telephone outlet.

2. Connect the AC Power adapter to the 9V DC jack and to an AC outlet.

Note: *Use only the supplied AC power adapter. Do not use any other AC
power adapter. Connect the AC power adapter to a continuous power
supply. Place the phone close to the AC outlet so that you can plug in
the AC power adapter easily.*

Tip: If your telephone outlet is not modular, contact your telephone company for
assistance.

12

Wall Mounting

The NTP-6348 telephone may be installed onto two screws (not included) fastened into the wall. When installing screws into plasterboard walls, use wall anchors (not included) to ensure that the screws remain secure. Insert the screws into the wall leaving 3/16" of each screw extending out from the wall. See the wall mount template on page 43 to properly space the screws in the wall or mounting. The NTP-6348 is not compatible with mounting on a standard Telephone wall plate.

Wall Mounting Instructions:

1. Remove the handset from the base.
2. Attach the wall mount adapter as shown and slide it into the locked position.
3. If mounting over a telephone wall jack, plug the supplied short telephone cord into the jack labeled TEL LINE on the telephone.
   If wall mounting with screws, plug the supplied 7-foot telephone cord into the TEL LINE jack on the telephone.
4. Insert the plug on the end of the AC adapter into the 9V DC jack on the back of the base.
5. Connect the telephone line cord to the wall jack.
6. Thread the cords through the notches on the backside of the wall mount adapter.
7. Slip the telephone base onto the wall, lining up the wall mounting holes over the wall plate posts or screws. Slide the telephone base down so it is firmly in place.
8. Return the handset to the telephone base.
9. Plug the other end of the AC adapter into a nearby AC wall outlet.
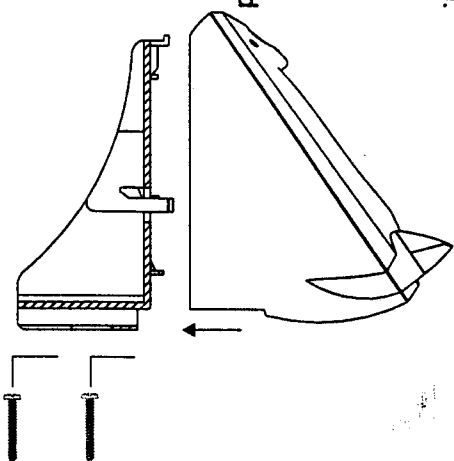
Tone/Pulse Switch
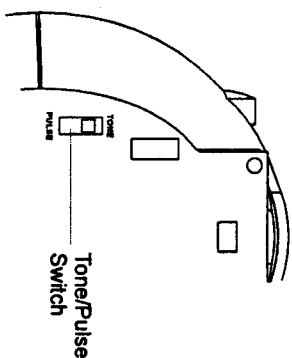
1. Choose the correct dialing mode.
2. Select the dialing mode Tone or Pulse by setting the switch on the bottom of the base unit.

Note: Changes to the switch position during a call do not take effect until the call has ended.

Tone/Pulse Switch

Tip: If you are unsure of the proper dialing mode, Make a trial call with the dial mode setting to TONE If the call connects,leave the switch as is (TONE mode),otherwise, set to PULSE.

NOTE: Pulse dialing works for direct dialing and redialing only, not for memory dialing.

Handset Volume

Adjust the receiver volume of the handset using the volume control switch on the right side of the handset.

Volume Control Switch
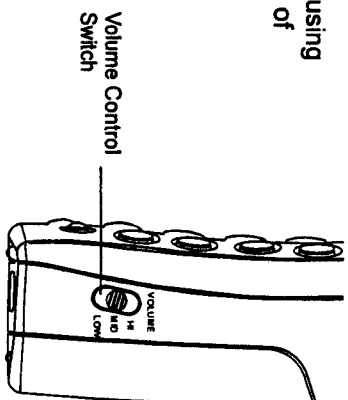
To install the cordless Ni-MH handset battery pack:

1. Slide the battery pack up into the compartment at the bottom of the handset. Make sure that the end of the Battery with the contacts is inserted first.

2. Snap the battery compartment cover into place.

3. Place the handset on the charging cradle.

4. Once you have installed the battery pack and placed the handset on the cradle, you will hear a tone Indicating the handset has connected with the charging contacts and will successfully charge.

5. IMPORTANT : Charge the battery pack for at least 12 hours before using the handset the first time.

6. The IN USE/CHARGE LED on the charging cradle will light when the handset is properly making contact with the charge terminals.
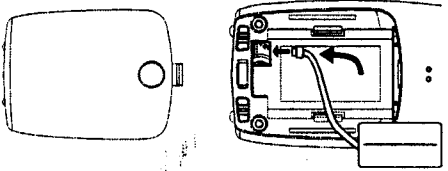
Battery Duration
A fully charged battery lasts for approximately:
4 hours when you use the handset continuously (talk time).
5 days when the handset is not in use (standby).

When the Battery Needs Charging
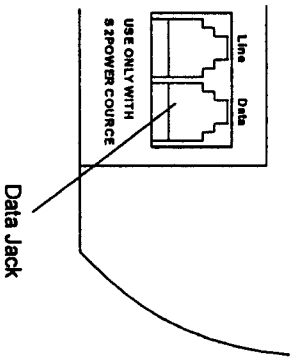The phone will beep.
The display will show the Low Battery icon.

---
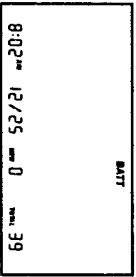
Data Jack

The Data Jack
The jack located on the side of the telephone labeled "**DATA**" is a convenience jack. It is useful for connecting a fax machine or modem when there is no telephone jack available for that device.

The Headset Jack
The headset jack is located on the top of the handset and is a standard 2.5mm plug. Simply plug the headset (not included) into the jack and the headset will be active.

Note: When the headset is plugged into the Telephone , the microphone and earpiece on the handset are not active.
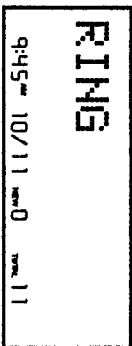
Headset Jack
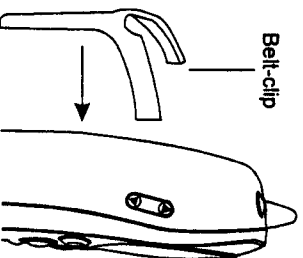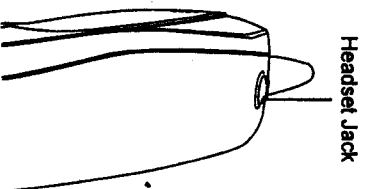
Belt-Clip
1. With the back of the handset facing up, insert one side of the belt-clip hook into the matching slot at the top side of the handset.
2. Press down on the opposite side of the belt-clip until the other hook locks into the slot on the side of the handset.

Belt-clip

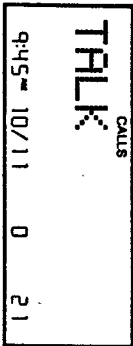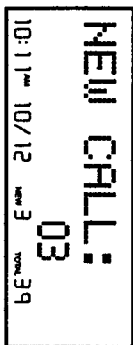**Handset Idle (after time is set)**

```
10:02ᴬᴹ 10/11   NEW 0   TOTAL 11
```
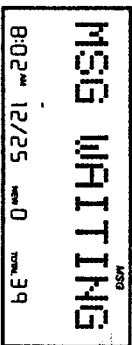
Line Ringing

```
RING
9:45ᴬᴹ 10/11   NEW 0   TOTAL 11
```

Off-hook

```
TALK                        CALLS
9:45ᴬᴹ 10/11        0        21
```

New CID Received

```
NEW CALL:
                 03
10:11ᴬᴹ 10/12   NEW 3   TOTAL 39
```

Message Waiting

```
MSG WAITING              MSG
8:02ᴬᴹ 12/25   NEW 0   TOTAL 39
```

Call Timer

```
1-558-327-4466           CALLS
10:45ᴬᴹ 10/11        1        14
```

17
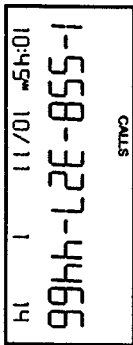
Making Calls

1. Pick up the handset and press (🔘).

```
CONNECTING
9:45ᴬᴹ 10/11   ⚡ 8   38
```
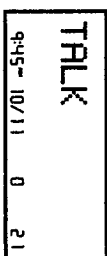
2. Wait until you hear a dial tone and then dial the number you wish to dial. The call timer will begin.

Tip: It is also possible to pre-dial the number, by dialing the number prior to pressing the (🔘) key. The number displayed will be dialed once (🔘) is pressed.

```
TALK
9:45ᴬᴹ 10/11        0        21
```

3. When you are finished talking, press the (🔘) key or place the unit back into the base to end the call.

Receiving Calls

When you hear the phone ring:

1. The display will show "RING". If you have Caller ID, the display will show the Caller ID information after the first ring.
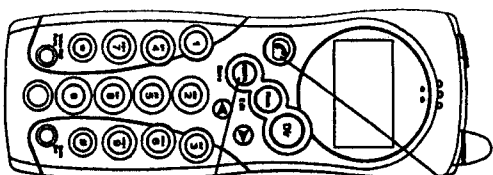
```
RING
9:45ᴬᴹ 10/11   NEW 0   TOTAL 11
```
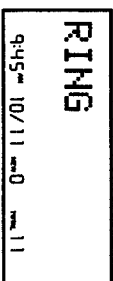
2. With the handset off the base, press (🔘). The call timer will start.

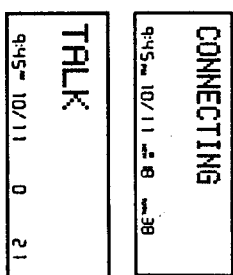3. When you are finished, press (🔘) or place the handset back on the base.

18

Redialing

1. Press ⟨📞⟩.

```
9:45ᴀᴍ 10/11  📶 🔋  ▬38
CONNECTING
```
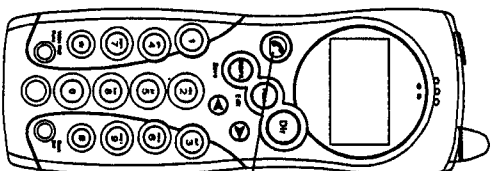
2. Wait until you hear the dial tone and then press ⟨ʀᴇᴅɪᴀʟ⟩ to redial the number last dialed.

```
9:45ᴀᴍ 10/11   0   21
TALK
```

Additional Options

| To	Do This:
Adjust the volume in the earpiece	Adjust the volume control switch on the right side of the handset to the desired volume level.
Switch to temporary tone dialing	Press the ⟨*⟩ key after the phone is in use. The phone will remain in tone dialing mode for the duration of the call.
Receive a call waiting call NOTE: To receive Caller ID information on incoming telephone calls, you must subscribe to the Caller ID service provided by your local telephone company.	Press ⟨🔄⟩ to go to the new caller. Press ⟨🔄⟩ again to go back to the original caller.

19

Handset Settings

You can change the setting on the handset in the options menu. Access the options menu by pressing and holding the ⟨ᴍᴇɴᴜ⟩ key.

There are 10 settings in the options menu which can be changed. You can scroll through the option menu in the listed order by pressing the ▲▼ key. Settings can be reached directly by pressing that number on the keypad.

To edit a setting, press the ⟨ᴍᴇɴᴜ⟩ key, use the ▲▼ key to toggle between the setting options, and then press and hold ⟨ᴍᴇɴᴜ⟩ to save changes. You can continue programming options by using the dial pad keys or the ▲▼ key to go to a new setting. Press ⟨*⟩ to exit the options menu.

▲▼ key
Dir key
Flash/Edit key
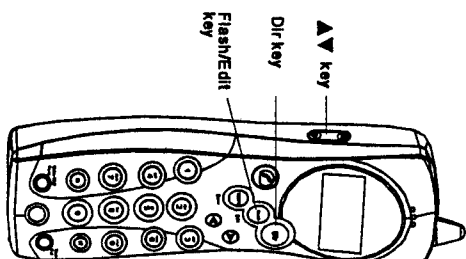
Key Function

① Language: Change the language that appears on the display. Choose between English, French, and Spanish.

② First Ring On/Off: Turn the first ring of the phone off so that it does not ring until caller ID information has been displayed. Particularly useful when using the priority and blocked call features or the private and unavailable ring settings.

③ Time Set: Change the time and date.

④ Ring Hi/Low/Off: Change the volume of the ringer on the handset or turn the ringer off.

⑤ Contrast: Adjust the brightness of the display for optimum viewing.

⑥ Area code: At any time during options programming of a home area code where 7-digit dialing is used for ease of callback and other features (do not program if you use 10-digit dialing to call numbers in your area).

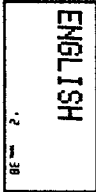⑦ Flash Time: Allows you to adjust the flash time to accommodate the phone service in your area.

20

Key Function

- Pause Time: Allows you to adjust the number of seconds that a pause lasts such as during programmed pauses in your speed dial numbers or after your PBX number is dialed.

- Voice Mail: The programmed one-touch number designed to enable easy access to voice mail service provided by your telephone company.

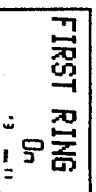- MSG Waiting Delete: Clears any current message waiting indication.

Note: At any time during options programming you can quit and the settings that you have changed will be saved. Press [*] to quit the options menu or let the options programming time out by not pressing any keys for 20 seconds.
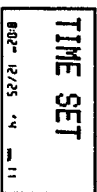
Changing the Language

1. Press and hold the [menu] key to enter the menu.

2. Press [1] to go to the language programming option.

```
ENGLISH
```

3. Press [menu] to change the setting. "ENGLISH" will begin flashing.

4. Use the ▲▼ key to toggle between ENGLISH, ESPANOL, and FRANCAIS.

5. When the setting you desire is displayed, press and hold [menu] to save the setting. A long beep will sound to confirm the setting has been saved.

6. Continue with programming or press [*] to return to the idle screen.

Turing the First Ring On or Off

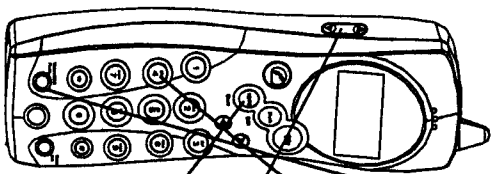1. Press and hold the [menu] key to enter the menu.

2. Press [2] to go to the silent programming option.

```
FIRST RING
On
```

3. Press [menu] to change the setting. "On" will begin flashing.

4. Use the ▲▼ key to toggle between On and Off.

5. When the setting you desire is displayed, press and hold [menu] to save the setting. A long beep will sound to confirm the setting has been saved.

6. Continue with programming or press [*] to return to the idle screen.

Setting the Time and Date

1. Press and hold the [menu] key to enter the menu.

2. Press [3] to go to the time set programming option.

```
TIME SET
```

3. Press [menu] to change the setting. The month will begin flashing.

4. Press the ▲▼ key to enter the month, date, hour and minute to move cursor. Press the ▼ key or the ▲ key.

5. When the setting you desire is displayed, press and hold [menu] to save the setting. A long beep will sound and you are returned to the options menu.

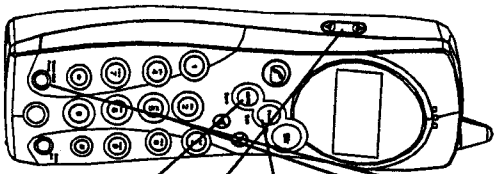6. Continue with programming or press [*] to return to the idle screen.

Setting the Ringer Level

1. Press and hold the [PROG] key to enter the menu.

2. Press (4) to change the setting. "HI" will begin flashing.

```
RING:HI
```

3. Use the ▲▼ key to toggle between HI, LOW, and OFF.

4. When the setting you desire is displayed, press and hold [PROG] to save the setting. A long beep will sound to confirm the setting has been saved.

5. Continue with programming or press [tel] to return to the idle screen.

Adjusting the Contrast

1. Press and hold the [PROG] key to enter the menu.

2. Press (5) to go to the contrast programming option.

3. Press [PROG] to change the setting. "3" will begin flashing.

```
CONTRAST
    3
```

4. Use the ▲▼ key to toggle between the three levels of contrast.

5. When the setting you desire is displayed, press and hold [PROG] to save the setting. A long beep will sound to confirm the setting has been saved.

6. Continue with programming or press [tel] to return to the idle screen.

Setting the Area code
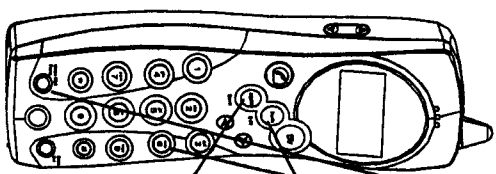
1. Press and hold the [PROG] key to enter the menu.

2. Press (6) to go to the AREA CODE programming option.

3. Press [PROG] to change the setting. "OFF" will begin flashing.

```
AREA CODE
```

4. Use the dial pad to enter the three digit area code there your phone numbers begins with.

5. When the setting you desire is displayed, press and hold [PROG] to save the setting. A long beep will sound to confirm the setting has been saved.

6. Continue with programming or press [tel] to return to the idle screen.

Tip: Do not use the AREA CODE programming if you are required to dial 10 digits (xxx-xxx-xxxx)to dial a local number.

Changing the Flash Time
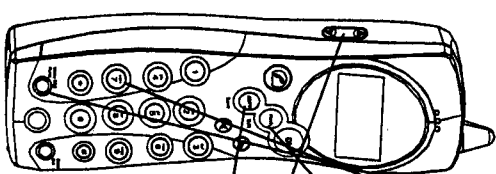
1. Press and hold the [PROG] key to enter the menu.

2. Press (7) to go to the flash time programming option.

3. Press [PROG] to change the setting. "600" will begin flashing.

```
FLASH TIME
   600
```

4. Use the ▲▼ key to select the desired dialing delay.

5. When the setting you desire is displayed, press and hold [PROG] to save the setting. A long beep will sound to confirm the setting has been saved.

6. Continue with programming or press [tel] to return to the idle screen.

Note: The standard and default flash time setting is 600ms. This is the setting you should use to access standard telephone services such as call waiting. This setting is adjustable to allow for PBX and other special uses.

SETTINGS

## Changing the Pause Time
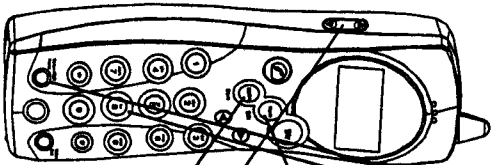
1. Press and hold the (Menu)/Memo key to enter the menu.

2. Press (8) to go to the pause time programming option.

3. Press (Pause) to change the setting. "3" will begin flashing.

```
PAUSE TIME
3
#8  no.11
```

4. Use the ▲▼ key to select the desired dialing delay.

5. When the setting you desire is displayed, press and hold (Menu)/save to save the setting. A long beep will sound to confirm the setting has been saved.

6. Continue with programming or press (No) to return to the idle screen.

Programming One-Touch Voice Mail Dialing
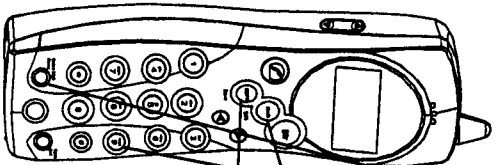
1. Press and hold the (Menu)/Memo key to enter the menu.

2. Press (9) to go to the auto answer programming option.

3. Press (Menu) to enter your voice mail speed dial number.

4. Use the dial pad to enter the phone number used to access your voice mail messages (up to 16 digits). Press (Menu) to insert a dialing pause.

```
VOICE MAIL
#9  no.11
```

5. When the phone number you desire is displayed, press and hold (Menu) to save the setting. A long beep will sound to confirm the number has been saved.

6. Continue with programming or press (No) to return to the idle screen.

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SETTINGS

Deleting Message Waiting Indication
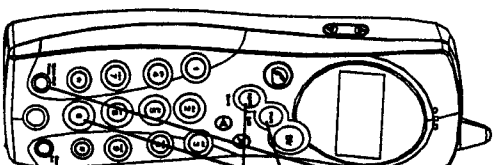
1. Press and hold the (Menu)/Memo key to enter the menu.

2. Press (0) to go to the message waiting programming option.

3. Press (Menu) to reset the message waiting indication.

```
MSG WAITING
OFF
#10  no.11
```

4. Press and hold (Menu) to delete the indication. A long beep will sound to confirm.

5. Continue with programming or press (No) to return to the idle screen.

26

The NTP-6348 will store up to 64 speed dial numbers in alphabetical order. No duplicate numbers can be stored.

Storing Phone Numbers
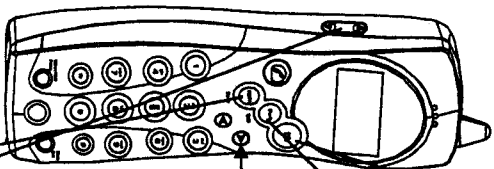
1. With the handset in the idle state, press (⊡).

2. Press (Menu) to create a new phone book entry.

```
PHONE BOOK
⊡-I5
```

```
JOHN S█
9:45ᵃ 10/11 ▲ 18 ▼30
```

3. Enter the name you wish to store using the dial pad to enter the letters (up to 16 letters). See the following letter table for how to program the letters using the number pad. To move the cursor to the right, such as to enter a new letter, press ▼.

Example: For JOHN SMITH dial this sequence:

5	666	44	66	1	7	6	444	8	44
J	O	H	N	space	S	M	I	T	H

4. Press ▼, and dial the number you wish to store (up to 16 digits). Press (Redial) to insert a dialing pause into the number.

```
JOHN SMITH
18005
8:05ᵃ 10/11 ▲ 18 ▼30
```

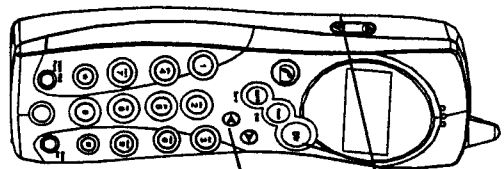5. Press and hold (Redial) when finished to store the number into memory.

Note: If you mis-type entering the phone number, you can move through the number and edit it by pressing ▲ or ▼. To delete a character or number inside the cursor, press the (⊡) key.

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Letter Table

Key	1st Press	2nd Press	3rd Press	4th Press	5th Press	6th Press	7th Press	8th Press	9th Press
1	Space	1	&	-	(	)	.	Space	1
2	A	B	C	a	b	c	2	A	B
3	D	E	F	d	e	f	3	D	E
4	G	H	I	g	h	i	4	G	G
5	J	K	L	j	k	l	5	J	K
6	M	N	O	m	n	o	6	M	N
7	P	Q	R	p	q	r	7	P	S
8	T	U	V	t	u	v	8	T	U
9	W	X	Y	w	x	y	9	Z	9
0	O	O	O	O	O	O	O	O	O

Viewing the Phone Book

1. Press (⊡) to enter the phone book.

```
PHONE BOOK
⊡-I5
```

2. Use ▲▼ to locate the exact number you wish to view.

```
JOHN SMITH
1-558-327-4466
8:02ᵃ 12/25 ▲5 ▼30
```

3. If the name or number is more than 11 characters, press the ▼ or ▲ button to view the rest of the display (as indicated by the arrows in the top line of the display).

```
JOHN SMITH
1-558-327-4466
8:02ᵃ 12/25 ▲5 ▼30
```

4. Press (⊡) to exit the phone book, or let the phone book time out.

28

Making Calls From the Phone Book
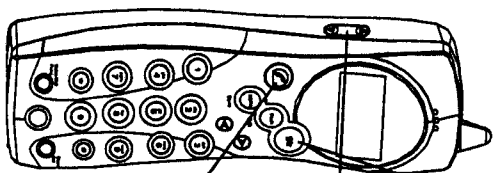
1. To make a call from the phone book, press (□).

2. Use ▲▼ to locate the exact number you wish to dial.

```
PHONE  BOOK
              F5
```

3. Press (□). The display will show the directory name, and begin dialing the number.

```
JOHN  SMITH
1-558-327-4466
802- 12/25  F5  F5
```

4. When you are finished with your call, press (□), or place the handset back on the base.

```
TALK
1-558-327-4466
00    03
```

Editing a Stored Number
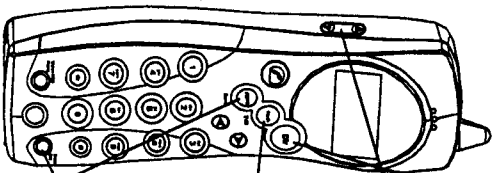
1. Press (□).

2. Locate the number you wish to edit using ▲ or ▼ Keys.

```
PHONE  BOOK
              F5
```

3. Press (□). The entry will display with a flashing prompt over the first character.

4. Move the cursor to the section you wish to edit using the ▲, ▼, ◄, and ▼ Keys. Characters or numbers will be inserted in front of the cursor.

```
JOHN  SMITH
1-558-327-466
802- 12/25  F5  F5
```

5. To erase a character or digit, press the (□)— key.

6. When the entry is edited as you desire press and hold (□) to store the edited entry.

29

Deleting a Stored Number

1. Press (□).

```
PHONE  BOOK
              F5
```
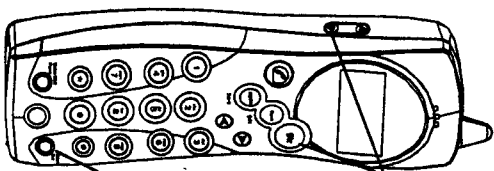
2. Locate the number you wish to delete using ▲▼.

```
JOHN  SMITH
1-558-327-4466
945- 10 / 11  J 18  J 39
```

3. Press (□)—. The display will show

```
ERASE  ITEM?
1-558-327-4466
           J 18  J 39
```

4. Press (□)— to delete the phone book memory.

5. When you are finished press (□).

Deleting All Stored number
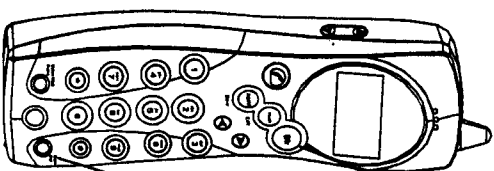
1. Press the (□) button (if the phone book is not full, the LCD screen will display "PHONE BOOK?") press the ▲▼ to locate the phone book list.

2. Press and hold down the (□)—. The display will show.

```
ERASE  ALL?
1-558-327-4466
10:00-    J 18  J 30
```

3. Press (□) again, the LCD Screen will display "ALL ERASED" and then return to the idle display.

30

Preferred Calls

You can assign stored numbers as preferred calls. When an incoming call is matched to a stored number designated as preferred, the phone will generate a special ring sound after caller ID information is received.

To mark a phone book entry as preferred, add a "#" mark at the beginning of the name during programming or editing.

```
#JOHN SMITH
1-558-327-4466
8:02ᴵᴹ 12/25  '5  ▪15
```

Blocked Calls

If you do not want to have the phone ring when a specific number calls, you can store that number in the phone book and assigned it as blocked. When an incoming call is matched to a stored number designated as blocked, the phone will not ring after caller ID information is received.

To mark a phone book entry as blocked add a "*" mark at the beginning of the name during programming or editing.

```
*JOHN SMITH
1-558-327-4466
8:02ᴵᴹ 12/25  '5  ▪15
```

Caller ID allows the caller's name and phone number to be shown on the display before you answer the call. In order to use this feature you must first subscribe to Caller ID service with your telephone company.
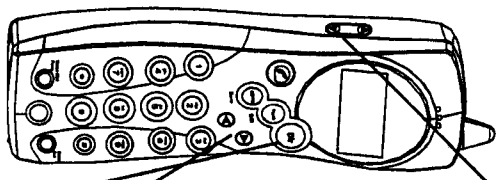
When You Receive a Call

1. When the telephone rings, the caller's name and phone number appears on the display.

2. The new Caller ID record includes the name and number of the caller and the time and date the record is received. The New Call light will flash to indicate that you have a new Caller ID call stored in memory.

Note: When the Caller ID information is received, it is stored in memory so that this information can be recalled for later use. Up to 80 Caller ID calls can be stored.

```
JOHN SMITH
1-558-327-4466
9:45ᴬᴹ 10/11 ▪18 ▪38
```

Viewing the Caller ID List

This phone automatically stores the last 80 calls received. If a call is received from the same number more than once since the records were last viewed, no new entry is made, but the repeat call icon ("RPT") is displayed.

1. With the handset idle press ▲ or ▼.

2. Any unviewed (new) calls will be displayed first. The most recent call will be displayed. The information on the call will be displayed with the name, number, date, and time that the call was received.

```
JOHN SMITH
1-558-327-4466
9:45ᴬᴹ 10/11 ▪18 ▪38
```

3. To scroll to the next call, press ▲ or ▼. The ▼ will go through the calls from the last call received to the first. The ▲ will allow you to view the calls from the first call received to the last.

4. If the name or number is more than 11 characters, press the ▼ or ▲ button to view the rest of the display (as indicated by the arrows in the top line of the display).

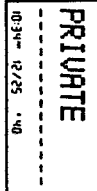5. Press ⊙ to return to the idle display.

Caller ID Displays

JOHN SMITH
1-558-327-4466
9:45ᴬᴹ 10/11 ↓18 ▬38
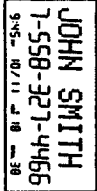
Display shows name and number, time and date of the call.

1-558-327-4466
9:45ᴬᴹ 10/11 ↓18 ▬38

Display shows number-only service.

PRIVATE
10:34ᴬᴹ 12/25 ·40
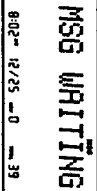
"PRIVATE" will be shown when a call is received from a blocked number. For privacy reasons, some states allow callers the option to prevent their telephone data from being displayed on the other party's Caller ID display.

DATA ERROR
9:01ᴬᴹ 12/25 ▬2 ▬8
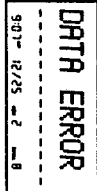
Display shows when the Caller ID information was received incorrectly or only part of the data was received.

Note: When an error is received, none of the data from this call is saved in memory.

MSG WAITING
8:02ᴬᴹ 12/25 ▬0 ▬39

Display shows when a voice mail message has been received and is stored by message waiting service provided by the phone company.

NO CALLS
9:01ᴬᴹ 12/25 ▬0 ▬0
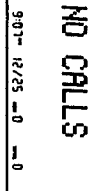
This is displayed when ▲ or ▼ is pressed and there is no Caller ID data stored.

Caller ID with Call Waiting Service

In order to use the "Call Waiting Caller ID" service you must subscribe to a telephone company that offers Caller ID service combined with "call waiting" service.

When a new call comes in while you are talking, you will hear a notification beep from the handset and the volume is momentarily muted. The new caller's name and phone number, if available, appears on the display.

JOHN SMITH
1-558-327-4466
9:45ᴬᴹ 10/11 ↓18 ▬38
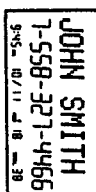
1. When you receive a "call waiting" call and you want to connect the call, press
F: The active call will be placed on hold and the new call will be active.
2. Press ⌒ to alternate between calls.
3. Press ⌒ to end the call or place the handset back on the base.

Storing Caller ID Records

1. Use ▲▼ to scroll to the call record you wish to store into the phone book.

JOHN SMITH
1-558-327-4466
9:45ᴬᴹ 10/11 ↓18 ▬38
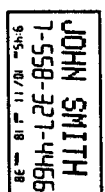
2. Press and hold ⌒.

3. If you wish to edit the newly stored number, edit it in the phone book (page 29, Editing a Stored Number).

4. Press ⊙ to return to the idle display.

Note: When numbers are stored into the phone book, a 1 is inserted in front of the number. If you must dial a 10-digit number for local calls, you must edit the number to exclude that digit to dial out correctly.
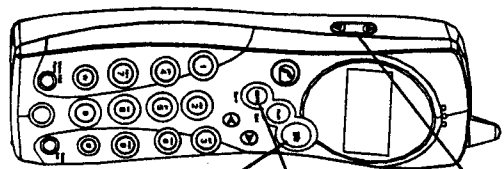
Deleting Caller ID Records

When viewing the Caller ID information you can delete a single call record or all the call records.

To Delete a Single Record
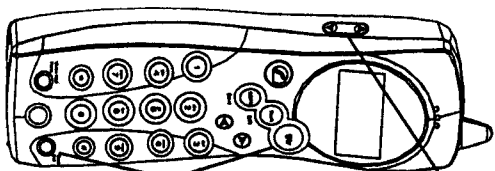
1. Use ▲▼ to scroll to the call record you wish to delete.

```
JOHN SMITH
1-558-327-4466
9:45.. 10/11 ♪ 18 ▬ 38
```

2. Press (m).

```
ERASE ITEM?
1-558-327-4466
9:45.. 10/11 ♪ 18 ▬ 38
```

3. To delete the record press (m). The display will show next records.

4. Press (m) to exit the Caller ID log.
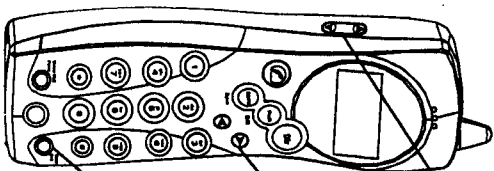
To Delete All Records

1. Press ▲ or ▼.

```
JOHN SMITH
1-558-327-4466
9:45.. 10/11 ♪ 18 ▬ 38
```
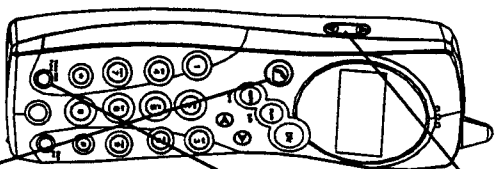
2. Press and hold (m).

```
ERASE ALL?
1-558-327-4466
9:45.. 10/11 ♪ 18 ▬ 38
```

3. To delete all the Caller ID records press (m). The display will show "ALL ERASED" and then return to the idle display.

Returning Caller ID Calls

You can return calls by using the Caller ID callback feature.

1. Use the ▲▼ to scroll to the call record you wish to call back.

```
JOHN SMITH
1-558-327-4466
9:45.. 10/11 ♪ 18 ▬ 38
```

2. If the number displayed is not correct (needing 7, 10, or 11 digits), use the (↶) key to toggle the number to display the correct number of digits to be dialed.

Press (m).

```
DIAL?
1-558-327-4466
9:45.. 10/11 ♪ 18 ▬ 38
```

Press (m).

```
DIAL?
327-4466
9:45.. 10/11 ♪ 18 ▬ 38
```
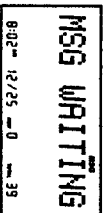
```
DIAL?
558-327-4466
9:45.. 10/11 ♪ 18 ▬ 38
```

3. Press (☎) to dial out the displayed number.

4. Press (☎) to cancel dialing.

5. To end the call, press (☎), or place the handset back in the base.

If you subscribe to voice mail from the telephone company and if there are voice messages that have been left in your voice mailbox, the display will show "MSG WAITING."

```
┌─────────────────────────┐
│ MSG WAITING             │
│ 8:02ᴬᴹ 12/25 =0 ≡39     │
└─────────────────────────┘
```

Note: This function requires voice mail subscription from the local telephone company. Furthermore, the local phone company must provide a type of voice mail signaling called "FSK" (Frequency Shift Key). Not all telephone companies have the visual message waiting feature available. Please contact your local telephone company to check if this is available in your area.

Tip: If you wish to delete the "Message Waiting" message, delete them as described in the handset settings section "Deleting the Message Waiting Indication" (see page 26).

Using the One-Touch Voice Mail Dialing

When the setting is programmed in the options menu (see "Programming One-Touch Voice Mail Dialing" on page 25) you can dial out a programmed number at the touch of a button. This feature is specifically designed to easily check voice mail when you have that service through your telephone company.

1. Press 📞 to access the telephone line.
2. Press 📞— MAIL.
3. The phone will begin dialing the number.

New Call Light

When you receive a Caller ID message, voice mail message, or when the phone is ringing, the New Call light will flash accordingly.

• For Caller ID, the New Call light will flash to indicate that you have a new Caller ID call stored in memory.

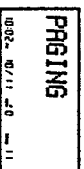• When you have a voice message waiting the New Call light will flash at a slow rate.

New Call Message
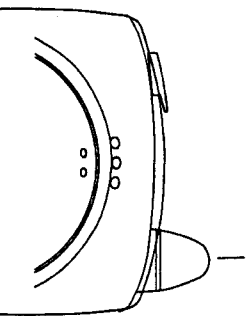
Using the Handset Finder (PAGE)

1. Press 📟 on the base and the phone will beep.

```
┌─────────────────────────┐
│ PAGING                  │
│ 8:02ᴬᴹ 10/11 =0 ≡11     │
└─────────────────────────┘
```

If the handset is within range, it will beep until a key is pressed.

2. Press any key on the handset, or place the handset in the base to stop the page/find feature.

Out-of-Range Warning

If you venture too far from the base, the handset will beep. Reverse your direction to re-establish connection with the base or the call will be dropped. When the base detects that the handset has been out of range for 20 continuous seconds it will release the engaged line.

Channel Changing

If you are experiencing interference during a telephone call, press the 📞— key. The NTP-6348 will scan up to 50 channels and select the clearest one to provide the best possible reception.

Your NTP-6348 telephone has been designed to give years of trouble-free service. It is a sensitive electronic instrument. To assure its longevity, please read the following maintenance instructions.

1. Keep the NTP-6348 away from heat as high temperatures can shorten the life of the electrical components and distort or melt its plastic parts.

2. The NTP-6348 should be kept free of dust and moisture. If it gets wet, wipe it dry immediately. Liquids can contain minerals that can corrode electronic circuits.

3. Handle your NTP-6348 gently and carefully. Dropping it can cause serious damage to circuitry, or the plastic case, which may result in malfunction.

4. Do not use any type of chemical or any abrasive powder to clean the cabinet. Use only mild detergents on a soft, damp cloth to clean the NTP-6348 telephone.

5. The NTP-6348 has built-in surge protection circuits that meet or exceed FCC requirements. However, an incident such as a lighting strike at or near the telephone lines, could cause serious damage.

6. If the NTP-6348 is installed in an area with frequent or severe electrical storms, it is suggested that the telephone be disconnected during these storms or that additional surge suppression equipment be added to the installation.

7. In the case of trouble with the telephone, do not attempt to repair the telephone yourself. It is the responsibility of users requiring service to report the need for service to our Service Department. They will make the necessary arrangements for repair or replacement.

No dial tone/phone will not dial out.
• Check that the AC power adapter is plugged into a working AC power outlet.
• Check all telephone cord connections or try another wall jack.
• Do a basic reset of the phone: Disconnect the phone from the wall and remove the battery. Leave for 30 minutes and then re-install as instructed by the manual.

All the display segments stay on when the handset is in the base.
• Verify that the battery is properly installed.
• Remove the battery and clean the battery contacts using a pencil eraser.

Can't hear the ring signal.
• Check the ringer volume controls; at the lowest level the ring may not be heard.
While on a call, you hear another call on the line or experience radio frequency interference.
• Check the wiring for bad connections.
• Switch channels to a clear channel.
• Do not use this phone within 20 feet of a working microwave. The microwave produces frequencies in this range which may cause interference. This interference is normal for all 2.4GHz phones and should not be considered a product defect.

The caller's name and/or phone number does not appear on the display.
• Make sure you have subscribed to Caller ID service (from local telephone company).
• Caller ID service may not work when the phone is connected to a Private Branch Exchange (PBX).
• The caller has requested that their phone number be suppressed from Caller ID service, or caller ID service is not available in their area. "Private" or "Unavailable" will appear on the display.
• You answered the call before Caller ID data was displayed, which usually occurs after the first ring.

New Call/Message Waiting Indicator doesn't work properly.
• Make sure you have subscribed to voice mail compatible with "FSK" type signaling (check with your local phone company). Verify that both the "On" and Off signals are activated. If your voice mail product from the local phone company does not support "FSK" signaling, you may use this feature as a New Call indicator only.

Can't receive or make phone calls.
• Make sure the phone is set to the correct type of service, either Tone or Pulse.

Useful Features and Terms

PBX (Private Branch Exchange) -- A small, central, privately owned, switching telephone system where a digit (like 9) must be dialed first in order to access an outside line.

Calendar/Clock---- Visual display of date, day and time.

Caller ID--Enables users to view name and number of callers. Contact your local telephone company to subscribe to Caller ID Service.

Caller ID Log--- Stores up to 80 Caller ID entries.

Call Timer--- Allows timing of phone conversations.

Data/FAX Port---- Allows connection of a PC or FAX machine directly into the phone versus a wall outlet.

Dial from Display---One-button dialing from the Caller ID log.

DisplayThe Liquid Crystal Display (LCD) shows clock and calendar, number dialed, low battery indicator, Caller ID information and call timer.

FlashA signal sent by the phone to the local telephone company supporting services such as call waiting.

Message Waiting Indicator --- A visual indicator that there are new messages in your voice mail box. Requires FSK signaling by phone company. Contact your local telephone company to subscribe to Voice Mail Service.

New Calls Indicator ---- A visual indicator that new calls have been received.

Redial --- Performs single button dialing of last number dialed.

Ringer Lever Control --- Permits adjustment of the ringer volume level.

Speed Dialing ---- Allows programming of frequently dialed numbers so that they can be dialed with the two touch speed dial button (64 entries).

Tone/Pulse Option--- Enables you to switch from pulse (rotary) to tone dialing.

Volume Level Control ---- Permits volume adjustment of the handset and headset during a conversation.

FSK type Signaling --- A signal used to turn on and off the message waiting indicator, can be sent by the telephone company with a ringing signal or without.

Place this template on the wall. The location of the screws is indicated by the centers of the crossed lines.

Fasten the screws leaving 3/16" of the screw extending from the wall.

2 3/4"
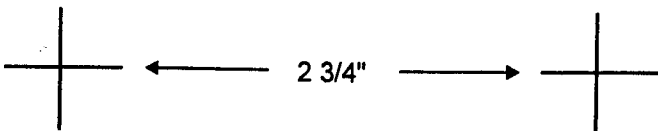
Remove This Page to Mark Wall

Screws needed for wall mounting:

Expansion Anchor

#6 or #8 Pan Head Self Tapping Screw